



April 6, 2005

4741.02

Humboldt County Department of Public Health
100 H Street, Suite 100
Eureka, California 95501

Attention: Mr. Mark Verhey

Subject: Soil/Groundwater Management Contingency Plan
Murrish Hydesville Market; 3397 Main Street, Hydesville, California
LOP No. 12705

Dear Mr. Verhey:

Per your request in correspondence dated February 2, 2005, this letter report presents the conditions of environmental restriction regarding any future development at the Murrish Hydesville Market, located at 3397 Main Street, Hydesville, California, hereafter referred to as the 'site.' A location map is included as Figure 1, and a map illustrating the site's features is included as Figure 2. Based on the results of previous investigations, LACO ASSOCIATES (LACO) presents the following documentation of conditions at this site:

1. Contamination of the Property: Soil and groundwater at the property have been contaminated by operations associated with retail gasoline sales, in which unauthorized releases from a former underground storage tank (UST) contributed to contamination at the site. The soil and groundwater contamination consists of organic chemicals including total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzenes, and total xylenes (BTX), and methyl tertiary butyl ether (MTBE). During UST removal, additional fuel piping was observed leading under the existing building from the former dispensers. It is possible that an additional UST(s) may exist under the building. The piping would be removed and the site inspected for additional USTs in the event that the building is demolished for site renovation.

An environmental restriction should be implemented on the property to provide assurances that any potential remaining contamination would be left undisturbed. In the event of future site development and if contaminated soil is disturbed, it should be disposed of properly. For this situation, the restriction would also stipulate that if subsurface construction activities are implemented at the site, construction workers would be notified that contamination exists and that they would need to use proper protective equipment based on Occupational Safety and Health Administration requirements. The Community Health and Safety Plan is included as Attachment 1.

2. Exposure Pathways: The contaminants referenced above are present in soil and groundwater. Previous mitigation measures have decreased the risk of in-place contact, surface runoff, and wind dispersal, which may have resulted in dermal contact, inhalation, or ingestion by humans or other species of animals. The risk of public exposure to the contaminants has been substantially lessened by the mitigations and controls described herein.
3. Adjacent Land Uses and Population Potentially Affected: The property is currently an operational retail fuel service station and grocery store. There is not expected to be any risk to neighboring land users as a result of contamination from this site.

Please call if you have any questions or require additional information.

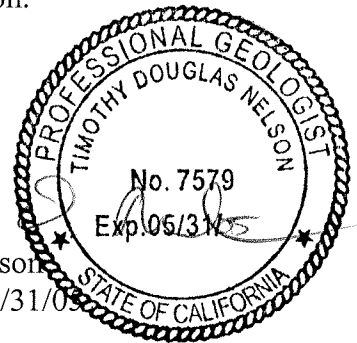
Sincerely,
LACO ASSOCIATES



Vincent T. Sullivan, EIT
Staff Engineer



Timothy D. Nelson
PG 7579 Exp. 5/31/05



VTS:lnm

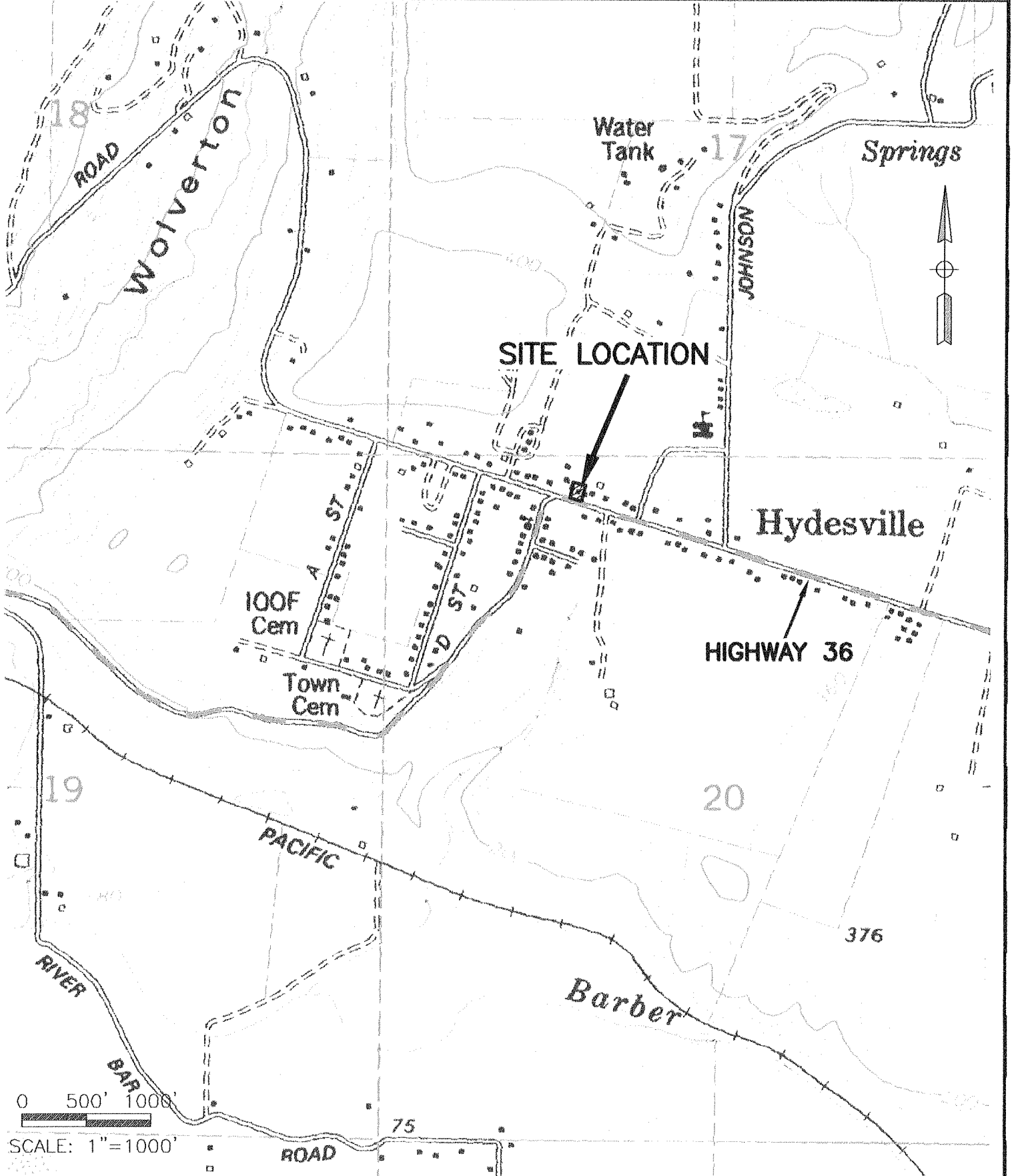
Attachments

cc: Michael and Steve Murrish

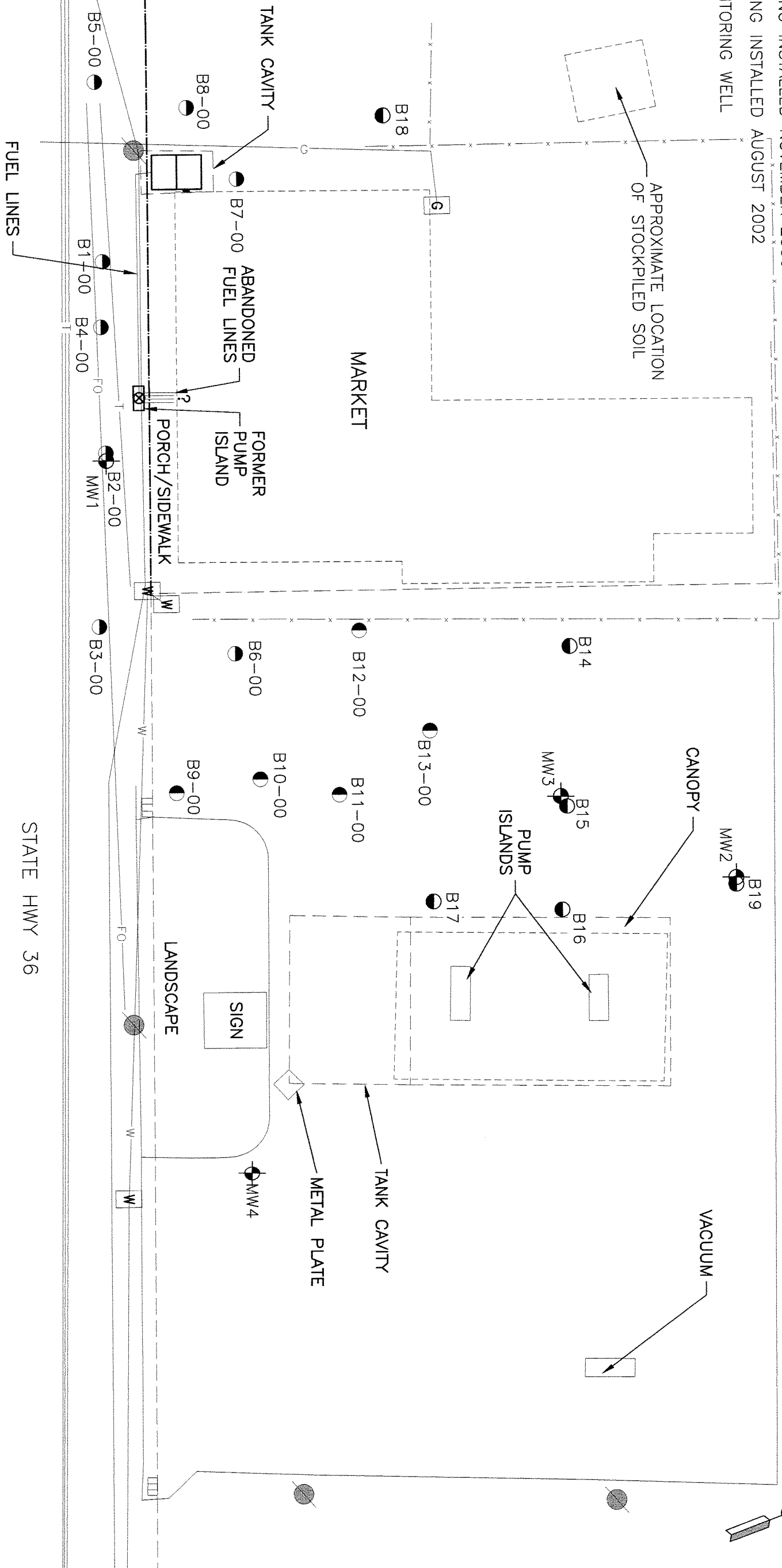


LACO ASSOCIATES
CONSULTING ENGINEERS
21 W 4TH ST. EUREKA, CA 95501 (707)443-5054

PROJECT	SOIL/GROUNDWATER MANAGEMENT CONTINGENCY PLAN	BY	RJM	FIGURE	1
CLIENT	MURRISH / HYDESVILLE MARKET	DATE	12/06/04		
LOCATION	3397 HWY 36, HYDESVILLE	CHECK		JOB NO.	4741.02
	LOCATION MAP	SCALE	1"=1000'		



- LEGEND
- BORING INSTALLED JULY 2000
 - BORING INSTALLED NOVEMBER 2000
 - BORING INSTALLED AUGUST 2002
 - ⊕ MONITORING WELL



0' 10' 20'
SCALE: 1"=20'

Attachment 1

COMMUNITY HEALTH AND SAFETY PLAN

Soil/Groundwater Management Contingency Plan

Murrish Hydesville Market; 3397 Main Street, Hydesville, California

LOP No. 12705; LACO ASSOCIATES Project No. 4741.02

INTRODUCTION

The following Community Health and Safety Plan provides the Humboldt County Division of Environmental Health (HCDEH) with the information required to ensure minimization of public exposure to hazards associated with the above-noted site (Figure 1). This plan provides the following: 1) site identification and location with a hospital location map; 2) historical laboratory analytical results and locations of contamination reported in soil and groundwater; 3) hazard control measures; 4) site and personnel safety guidelines; and 5) emergency planning.

1. Site Identification and Location

1.1. LOP No. 12705.

1.2. The site has generally been referred to as Murrish Hydesville Market.

1.3. The site is located at 3397 Main Street, Hydesville, California (Figure 1).

2. A site map identifying on-site structures and surrounding land uses is included as Figure 2.

2.1. To date, total petroleum hydrocarbons as gasoline (TPHg) concentrations in soil have been reported as high as 440 µg/g (soil sample 4741-2, obtained from the former underground storage tank [UST] cavity in March 1999). TPHg concentrations in groundwater have been reported as high as 35,000 µg/L (boring B2-00, located approximately 20 feet south of the market building in June 2000). Other contaminants reported in soil and groundwater include total petroleum hydrocarbons as diesel (TPHd) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). TPHd concentrations in soil and groundwater have been reported as high as 16 µg/g (soil sample MW1-S8.5, obtained during the installation of monitoring well MW1 in August 2003) and 300 µg/L (obtained from boring B13-00 in October 2000), respectively. BTEX concentrations in groundwater have been reported at concentrations up to 8.9 µg/g (total xylenes, soil sample 4741-1, obtained from the former UST cavity in March 1999) and 3,000 µg/L (ethylbenzene, sample 4741-4, obtained from groundwater in the former UST cavity in March 1999), respectively. Tables 1, 2, and 3 contain historical laboratory analytical results from boring soil samples, boring groundwater samples, and monitoring well groundwater samples, respectively.

2.2. It should be noted that during the 1999 UST removal, additional fuel piping was

observed leading under the existing building from the former pump island, and it is possible that an additional UST or USTs may exist under the building. Additionally, approximately 5 cubic yards of overburden soil was stockpiled on-site, and remains there as of the date of submittal for this contingency plan. The approximate locations of the additional fuel piping and stockpiled soil are illustrated on Figure 2.

3. Control Measures

- 3.1. In the event that any known or previously unknown soil or groundwater contamination is located, including delivery and/or storage apparatus, HCDEH should be contacted at (707) 445-6215.
- 3.2. Site Security – A security fence should be enforced as the limits of the exclusion zone for any construction work on the property. Only properly trained and equipped personnel involved with the construction work will be allowed inside the exclusion zones.
- 3.3. Dust – If significant dust is generated during the construction and on-site transport of soil, the soil should be misted with water to prevent dust migration. As a contingency, a sprinkler should be on-site to mist the soil continuously if a water hose proves insufficient to suppress dust.
- 3.4. Open Excavations – The excavation should be backfilled within a week of opening. Each day after the excavation is opened and until it is backfilled, a cyclone fence posted with “Keep Out” signs should restrict access to the excavation.
- 3.5. Stockpiled Soil – In the event that contaminated soil is encountered and stockpiled, contaminated soil should be loaded into trucks from the contaminated soil stockpile, which should be constructed and should consist of a bermed storage cell (sand) with a minimum 10-mil plastic underliner and secured cover. If it is determined that overburden material may be used as backfill, a segregated clean soil stockpile should be constructed and should consist of a bermed storage cell (sand) with a minimum 10-mil plastic underliner and secured cover. Clean backfill may also be stockpiled off-site if sufficient space is not available.

4. Site Safety

- 4.1. A site safety manager should be named, with a telephone number supplied. In the event of an emergency, the site safety manager should have the authority to shut down all on-site activities and be available 24 hours a day. The site safety manager should notify the

appropriate emergency response agencies and HCDEH. An after-hours telephone number should be posted on-site.

4.2. Any worker entering the site should be made aware that unknown soil or groundwater contamination, as well as previously unknown delivery or storage apparatus, may be present at the site. Additionally, safety procedures on the site should be observed in accordance with all pertinent OSHA and CAL-OSHA regulations (29CFR 1910.120(e); CAC Title 8), including provisions regarding general safety (Article 3), flammable vapors (Article 4), and excavations (Article 6).

4.3. To reduce the possibility of injury due to work site hazards, personal protective equipment (PPE) should be worn. Because chemicals that may be encountered at the site should be present at low concentrations, it should not be necessary to divide work sites into exclusion, decontamination, and clean zones. However, if necessary, an exclusion zone around the work site should be delineated and enforced. No visitors should be allowed to approach the work site unless they wear the proper PPE, are properly trained in safety procedures, and are supervised appropriately.

4.3.1. Level D protection, as defined by the U.S. Environmental Protection Agency (EPA) and outlined in Appendix B of Title 29, Code of Federal Regulations, Section 1910.120 should be observed on-site. At the discretion of the Site Safety Officer, the protection level may be upgraded to Level C if air monitoring indicates the presence of significant organic chemical concentrations in the breathing zone. Although hazardous organic chemical concentrations in the work area are not expected to be excessive, the possibility of previously unknown areas of contamination may warrant ambient air monitoring. Respirators should be donned when air monitoring in the vicinity of the work area indicates total petroleum hydrocarbons (TPH) concentrations exceeding 100 parts per million (ppm).

4.3.2. Workers and visitors to the work area should be required to wear, at a minimum, a hard hat and steel toed rubber boots. At the discretion of the Site Safety Officer, additional PPE may be required. PPE should be maintained by trained employees and should be inspected by the Site Safety Officer or other employees as directed by the Site Safety Officer.

Protection Level:	Modified Level D
Head:	Hard Hat

Eye:	Safety glasses or goggles
Ear:	Earplugs or ear muffs as warranted
Hand:	Latex, cotton or leather gloves, as appropriate
Body:	Normal work clothes
Feet:	Steel toed rubber boots
Lung:	None unless protection level is upgraded to Level C (half face respirator with organic vapor/acid/high efficiency particulate air combination cartridge).

5. Emergency Planning

5.1. In the event of an emergency situation involving the possibility or occurrence of injury to site workers, assistance should be summoned by contacting the appropriate emergency response agencies by dialing 911.

5.2. If free product is encountered, it should be pumped to 55-gallon DOT drums. Type B fire extinguishers should be on hand to suppress any fire or vapors.

LACO prepared the preceding plan on behalf of Michael and Steve Murrish. The specifications contained in this document are recommendations for procedures that should be followed to ensure public protection from potential hazards associated with any future construction on the property. LACO maintains no responsibility for enforcing contractor and public compliance with, or failure to follow, the prescribed public safety procedures contained herein.

LIST OF FIGURES AND TABLES

Figure 1: Hospital Route Map

Figure 2: Site Plan

Table 1: Historic Soil Laboratory Analytical Results

Table 2: Historic Groundwater Laboratory Analytical Results

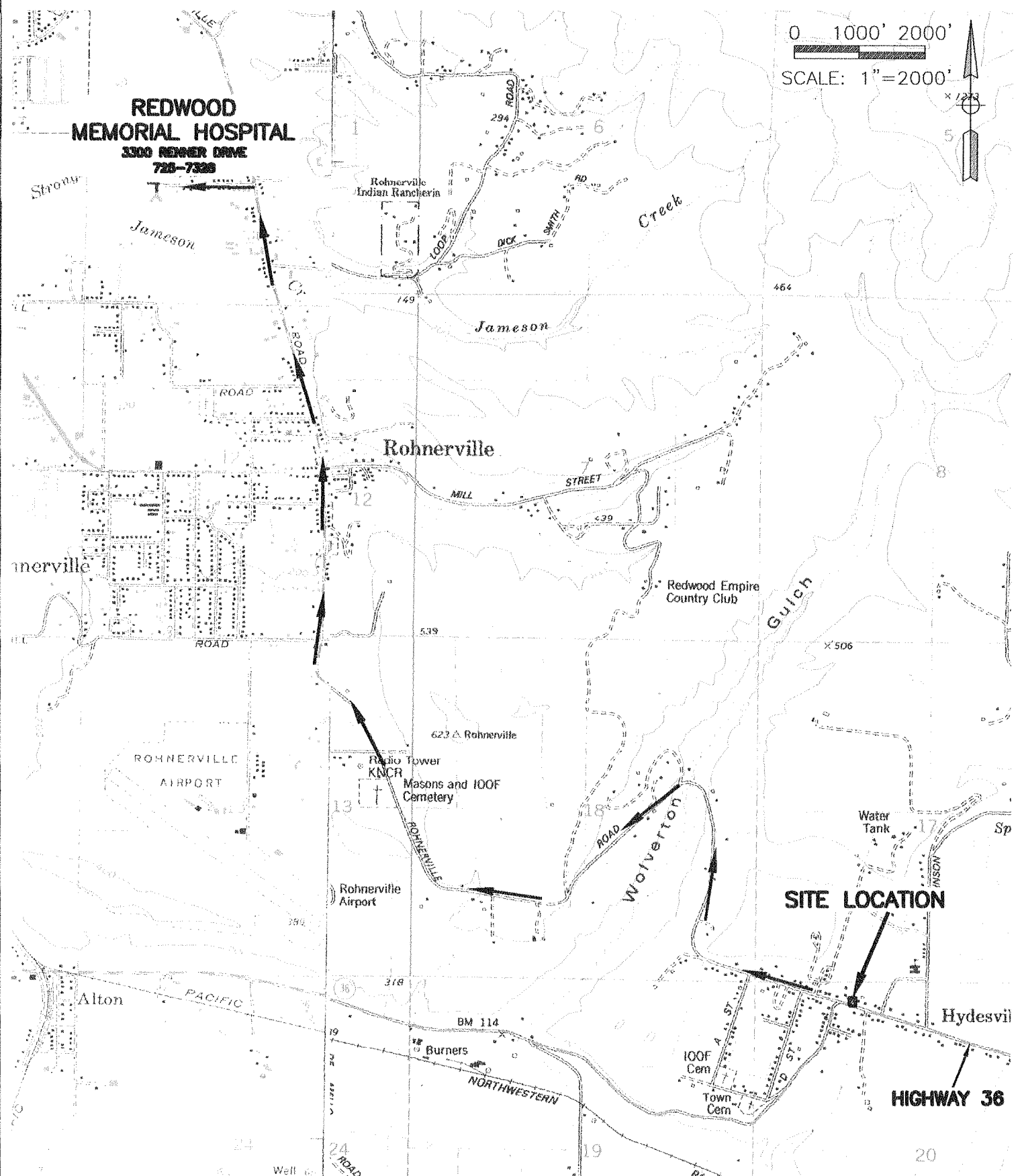
Table 3: Monitoring Well Data and Laboratory Analytical Results

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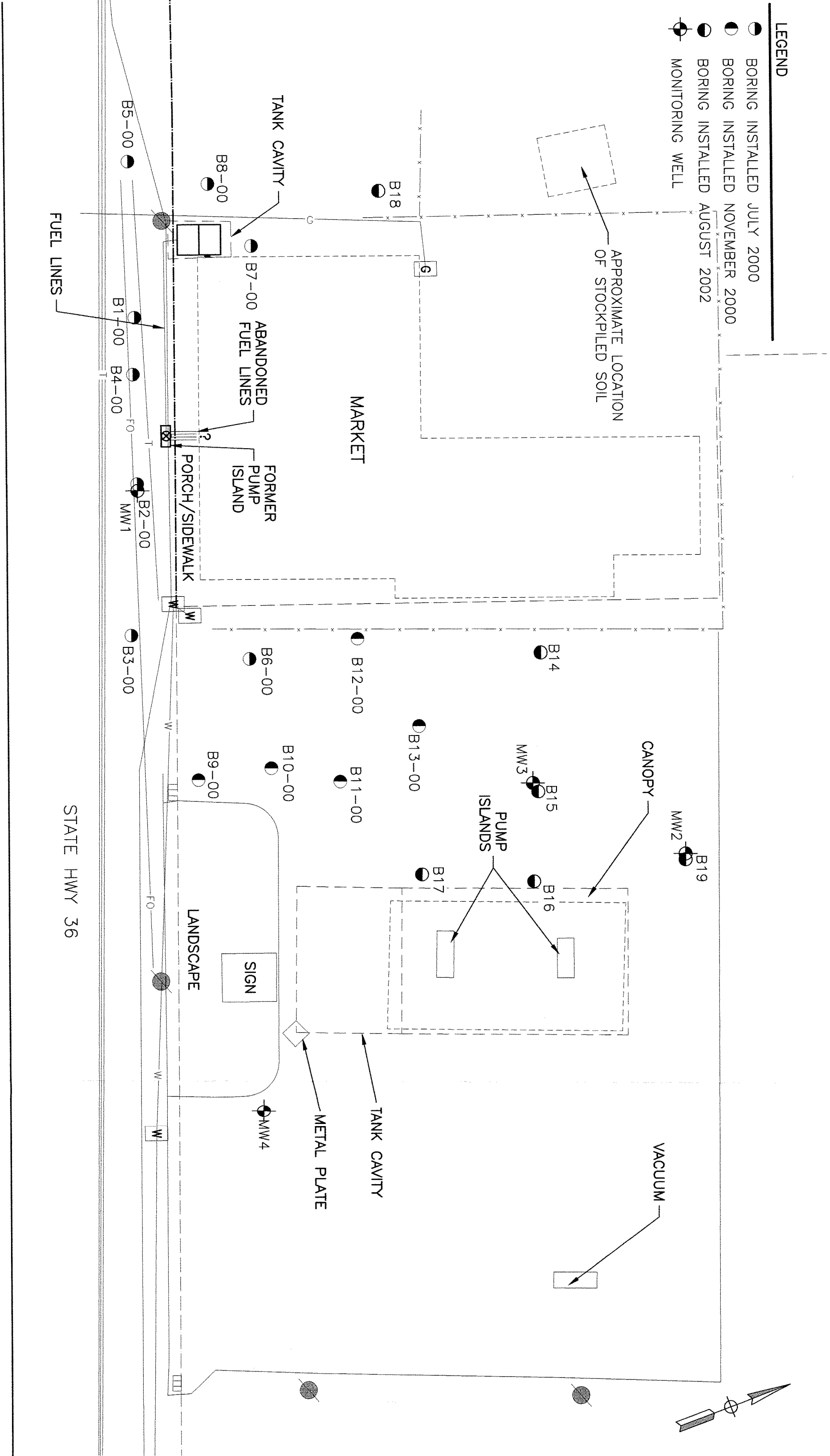
LACO ASSOCIATES
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21 W 4TH ST. EUREKA, CA 95501 (707)443-5054

PROJECT	COMMUNITY HEALTH AND SAFETY PLAN	BY	RJM	FIGURE	1
CLIENT	MURRISH / HYDESVILLE MARKET	DATE	3/08/05	JOB NO.	4741.02
LOCATION	HWY 36, HYDESVILLE	CHECK			
	HOSPITAL ROUTE	SCALE	1"=2000'		




Mar 08, 2005 - 4:30pm

T:\maps\hospital\HYDESVILLE\ 4741HOSP-route.dwg



NO.	REVISION	BY	CHK	DATE	



LACO ASSOCIATES
CONSULTING ENGINEERS

21 4th ST. EUREKA, CA 95501 (707)443-5054

**COMMUNITY HEALTH AND
SAFETY PLAN**

SITE MAP

MURRISH / HYDESVILLE MARKET
3397 HWY 36, HYDESVILLE

SCALE	1"=20'
DRAWN	RJM
CHECK	
APPVD	
DATE	4/04/05
JOB NO.	4741.02
FIGURE	2

TABLE 1: HISTORIC SOIL LABORATORY ANALYTICAL RESULTS

Murrish Hydesville Market

LACO No. 4741.02; LOP No. 12705

Boring Identification	Date Sampled	Depth (feet bgs)	TPHg (µg/g)	TPHd (µg/g)	Benzene (µg/g)	Toluene (µg/g)	Ethylbenzene (µg/g)	Xylenes (µg/g)	MTBE (µg/g)
1999 Investigation									
4771-1	3/16/1999	1.5	77	---	0.046	2.2	0.91	8.9	---
4771-2	3/16/1999	4	440	---	ND<0.0050	ND<0.30	0.3	4.2	---
4771-3	3/16/1999	4	250	---	ND<0.0050	ND<2.5	0.79	7.7	---
2000 Investigation									
B1-00	7/10/2000	4	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B1-00	7/10/2000	9	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B1-00	7/10/2000	14	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B2-00	7/10/2000	5	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B2-00	7/10/2000	7	21	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B2-00	7/10/2000	11 - 12	49	---	ND<0.005	ND<0.005	0.077	0.16	ND<0.05
B2-00	7/10/2000	13 - 14	280	---	ND<0.005	ND<0.005	0.79	2.5	ND<0.05
B3-00	7/10/2000	4	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B3-00	7/10/2000	14	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B4-00	7/10/2000	4.5	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B5-00	7/10/2000	5	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B5-00	7/10/2000	9	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B5-00	7/10/2000	14	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B6-00	7/10/2000	4.5	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B6-00	7/10/2000	9	7.8	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B6-00	7/10/2000	14	1.4	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B7-00	7/10/2000	4	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B7-00	7/10/2000	9	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B7-00	7/10/2000	14	ND<1	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05

TABLE 1: HISTORIC SOIL LABORATORY ANALYTICAL RESULTS

Murrish Hydesville Market

LACO No. 4741.02; LOP No. 12705

Boring Identification	Date Sampled	Depth (feet bgs)	TPHg (µg/g)	TPHd (µg/g)	Benzene (µg/g)	Toluene (µg/g)	Ethylbenzene (µg/g)	Xylenes (µg/g)	MTBE (µg/g)
2000 Investigation, continued									
B8-00	7/10/2000	4	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B8-00	7/10/2000	9	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B8-00	7/10/2000	14	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B9-00	11/3/2000	6	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B10-00	11/3/2000	6	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B10-00	11/3/2000	12	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B11-00	11/3/2000	6	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B12-00	11/3/2000	6	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B12-00	11/3/2000	10	17	11	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B12-00	11/3/2000	12	1.4	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B12-00	11/3/2000	15	3.3	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B13-00	11/3/2000	6	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B13-00	11/3/2000	8	2	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
B13-00	11/3/2000	12	ND<1	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.05
2002 Investigation									
B14-S 5	8/21/2002	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B14-S10	8/21/2002	10	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B14-S15	8/21/2002	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B14-S20	8/21/2002	20	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B15-S5	8/21/2002	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B15-S9.5	8/21/2002	9.5	220	8.7	ND<0.0050	ND<1.5	ND<1.0	ND<1.75	ND<0.050
B15-S15	8/21/2002	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B16-S5	8/22/2002	5	1.5	7.5	ND<0.0050	0.0061	ND<0.0050	0.010	ND<0.050
B16-S9	8/22/2002	9	1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	0.0052	ND<0.05
B16-S12	8/22/2002	12	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050

TABLE 1: HISTORIC SOIL LABORATORY ANALYTICAL RESULTS

Murrish Hydesville Market

LACO No. 4741.02; LOP No. 12705

Boring Identification	Date Sampled	Depth (feet bgs)	TPHg (µg/g)	TPHd (µg/g)	Benzene (µg/g)	Toluene (µg/g)	Ethylbenzene (µg/g)	Xylenes (µg/g)	MTBE (µg/g)
2002 Investigation, continued									
B17-S5	8/22/2002	5	1.1	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	0.0052	ND<0.050
B17-S10	8/22/2002	10	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B17-S15	8/22/2002	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B18-S5	8/22/2002	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B18-S12	8/22/2002	12	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B19-S4	8/22/2002	4	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	0.0052	ND<0.050
B19-S11	8/22/2002	11	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
B19-S15	8/22/2002	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
2003 Investigation									
MW1-S5	8/5/2003	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	0.0051	ND<0.050
MW1-S7.25	8/5/2003	7.25	160	12	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW1-S8.5	8/5/2003	8.5	150	16	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW1-S15	8/5/2003	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW2-S5	8/5/2003	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW2-S10	8/5/2003	10	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW2-S15	8/5/2003	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW3-S5	8/6/2003	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW3-S9.75	8/6/2003	9.75	160	6.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW3-S15	8/6/2003	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW4-S5	8/6/2003	5	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW4-S10	8/6/2003	10	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050
MW4-S15	8/6/2003	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050

Notes:

TPHg - total petroleum hydrocarbons as gasoline

TPHd - total petroleum hydrocarbons as diesel

MTBE - methyl tertiary butyl ether

MW1-S5 - Monitoring well No. 1, soil sample collected at 5 feet below ground surface

Bold results indicate analyte detection

All results reported in micrograms per gram (µg/g)

ND<1.0 - non-detect at reporting limits shown

TABLE 2: HISTORIC GROUNDWATER LABORATORY ANALYTICAL RESULTS

Murrish Hydesville Market
LACO No. 4741.02; LOP No. 12705

Boring Identification	Date Sampled	Depth (feet bgs)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Analytes (µg/L)
1999 Investigation										
4771-4	3/16/1999	4	15,000	ND<25	170	120	3,000	30	---	ND<50-500
2000 Investigation										
B1-00	6/29/2000	---	ND< 50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B2-00	6/29/2000	---	35,000	---	ND<10	ND<10	450	1,550	ND<0.5	ND
B3-00	6/29/2000	---	ND< 50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B4-00	6/29/2000	---	ND< 50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B5-00	6/29/2000	---	ND< 50	---	0.63	0.56	ND<0.5	ND<0.5	ND<0.5	ND
B6-00	6/29/2000	---	720	---	1	0.78	ND<0.5	ND<0.5	ND<0.5	ND
B7-00	6/29/2000	---	ND< 50	---	0.5	0.52	ND<0.5	ND<0.5	ND<0.5	ND
B8-00	6/29/2000	---	ND< 50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B9-00	10/27/2000	---	ND< 50	ND< 50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B10-00	10/27/2000	---	ND< 50	ND< 50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B11-00	10/27/2000	---	130	52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B12-00	10/27/2000	---	550	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B13-00	10/27/2000	---	1,200	300	ND<0.5	ND<0.5	2.4	ND<0.5	1.8	ND
2002 Investigation										
B14	8/21/2002	---	ND< 50	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50
B15	8/22/2002	---	1,500	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50
B16	8/22/2002	---	ND< 50	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50
B17	8/22/2002	---	ND< 50	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50
B18	8/22/2002	---	ND< 50	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50
B19	8/22/2002	---	ND< 50	ND< 50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50-50

Notes:

TPHg - total petroleum hydrocarbons as gasoline

TPHd - total petroleum hydrocarbons as diesel

MTBE - methyl tertiary butyl ether

Bold results indicate analyte detection

All results reported in micrograms per gram (µg/L)

ND<1.0 - non-detect at reporting limits shown

TABLE 3: MONITORING WELL DATA AND LABORATORY ANALYTICAL RESULTS

Murrish Market 3397 Main Street, Hydesville, CA
LACO No. 4741.02: LOP No.12705

Well ID	Sample Date	Well Head		Water		Depth to Water (feet)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Other Analytes (µg/L)
		Elevation (NAVD, 88)	Surface Elevation (NAVD, 88)											
MW1														
	10/28/2003	101.24	93.65	7.59	88	ND<50	ND<0.50	ND<0.50	ND<0.50	0.51	1.47	ND<1.0	ND<1.0-20	
	12/22/2003		98.89	2.35	---	---	---	---	---	---	---	---	---	---
	1/23/2004		99.01	2.23	---	---	---	---	---	---	---	---	---	---
	2/17/2004		101.24	0.00	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0-10	
	3/19/2004		98.82	2.42	---	---	---	---	---	---	---	---	---	---
	4/7/2004		98.25	2.99	---	---	---	---	---	---	---	---	---	---
	5/10/2004		96.85	4.39	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0-10	
	6/11/2004		95.87	5.37	---	---	---	---	---	---	---	---	---	---
	7/12/2004		94.92	6.32	---	---	---	---	---	---	---	---	---	---
	8/10/2004		94.18	7.06	70	82	3.3	3.2	0.77	2.16	2.16	ND<1.0	ND<1.0-10	
	11/9/2004		95.82	5.42	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0-10	
MW2														
	10/28/2003	101.70	92.42	9.28	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-20
	12/22/2003		97.36	4.34	---	---	---	---	---	---	---	---	---	---
	1/23/2004		97.62	4.08	---	---	---	---	---	---	---	---	---	---
	2/17/2004		99.80	1.90	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
	3/19/2004		97.31	4.39	---	---	---	---	---	---	---	---	---	---
	4/7/2004		96.92	4.78	---	---	---	---	---	---	---	---	---	---
	5/10/2004		95.25	6.45	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0-10	
	6/11/2004		94.91	6.79	---	---	---	---	---	---	---	---	---	---
	7/12/2004		93.88	7.82	---	---	---	---	---	---	---	---	---	---
	8/10/2004		93.07	8.63	ND<50	ND<50	ND<0.50	ND<0.50	1.7	1.8	ND<0.50	0.81	ND<1.0	ND<1.0-10
	11/9/2004		94.68	7.02	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10

TABLE 3: MONITORING WELL DATA AND LABORATORY ANALYTICAL RESULTS

Murrish Market 3397 Main Street, Hydesville, CA

LACO No. 4741.02: LOP No.12705

Water													
Well ID	Sample Date	Well Head Elevation (NAVD, 88)	Surface Elevation (NAVD, 88)	Depth to		TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Other Analytes (µg/L)
				Water	(feet)								
MW3													
	10/28/2003	101.43	92.62	8.81		130	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-20
	12/22/2003		97.56	3.87		---	---	---	---	---	---	---	---
	1/23/2004		97.8	3.63		---	---	---	---	---	---	---	---
	2/17/2004		99.92	1.51		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
	3/19/2004		97.48	3.95		---	---	---	---	---	---	---	---
	4/7/2004		97.06	4.37		---	---	---	---	---	---	---	---
	5/10/2004		95.6	5.83		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
	6/11/2004		94.96	6.47		---	---	---	---	---	---	---	---
	7/12/2004		93.96	7.47		---	---	---	---	---	---	---	---
	8/10/2004		93.20	8.23		ND<50	ND<50	0.85	0.96	ND<0.50	0.55	ND<1.0	ND<1.0-10
	11/9/2004		94.75	6.68		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
MW4													
	10/28/2003	100.20	92.76	7.44		53	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-20
	12/22/2003		97.71	2.49		---	---	---	---	---	---	---	---
	1/23/2004		98.23	1.97		---	---	---	---	---	---	---	---
	2/17/2004		99.82	0.38		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
	3/19/2004		97.66	2.54		---	---	---	---	---	---	---	---
	4/7/2004		97.21	2.99		---	---	---	---	---	---	---	---
	5/10/2004		95.95	4.25		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10
	6/11/2004		95.12	5.08		---	---	---	---	---	---	---	---
	7/12/2004		94.09	6.11		---	---	---	---	---	---	---	---
	8/10/2004		93.33	6.87		ND<50	ND<50	0.70	0.79	ND<0.50	0.54	ND<1.0	ND<1.0-10
	11/9/2004		94.85	5.35		ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0-10